

"A" = Bis(DMH)methylsilane, $E_A = 39.8$ kcal/mol, R.I. = 1.69
 "C" = Tris(DMH)t-butylsilane, $E_A = 28.6$ kcal/mol, R.I. = < 1.60 (est)
 "E" = Tris(DMH)ethylsilane, $E_A = 26.3$ kcal/mol, R.I. = 1.63
 "F" = Bis(DMH)ethylsilane, $E_A = 35.8$ kcal/mol, R.I. = 1.67
 R.I. for 2:1 NH_3 , 550°C dep, 632.8 nm

FIG 1

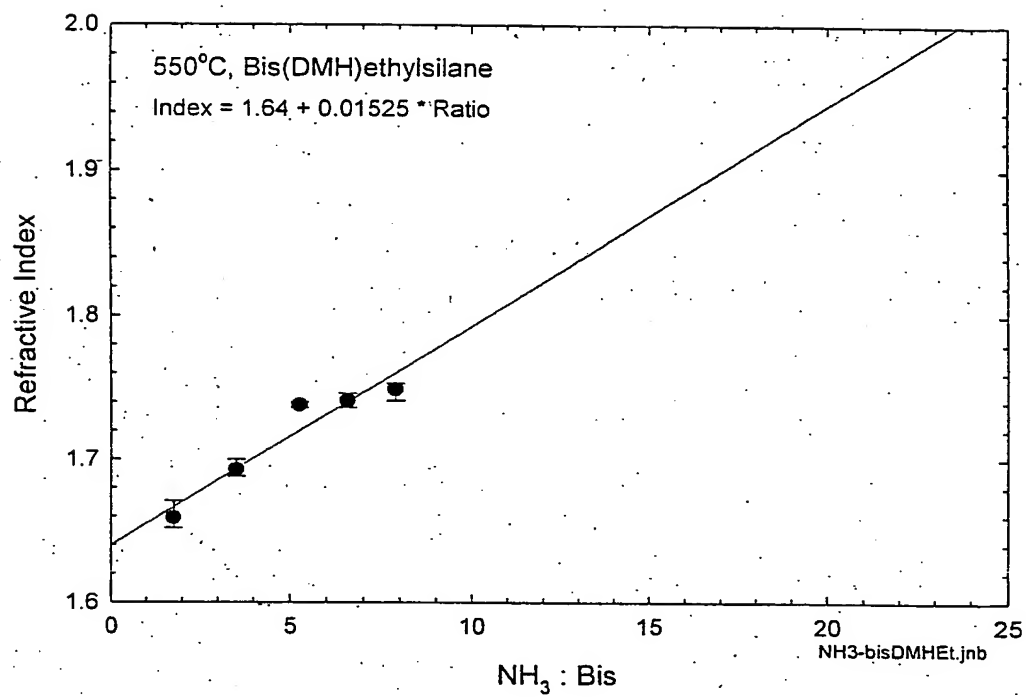


FIG 2

FIG 3A

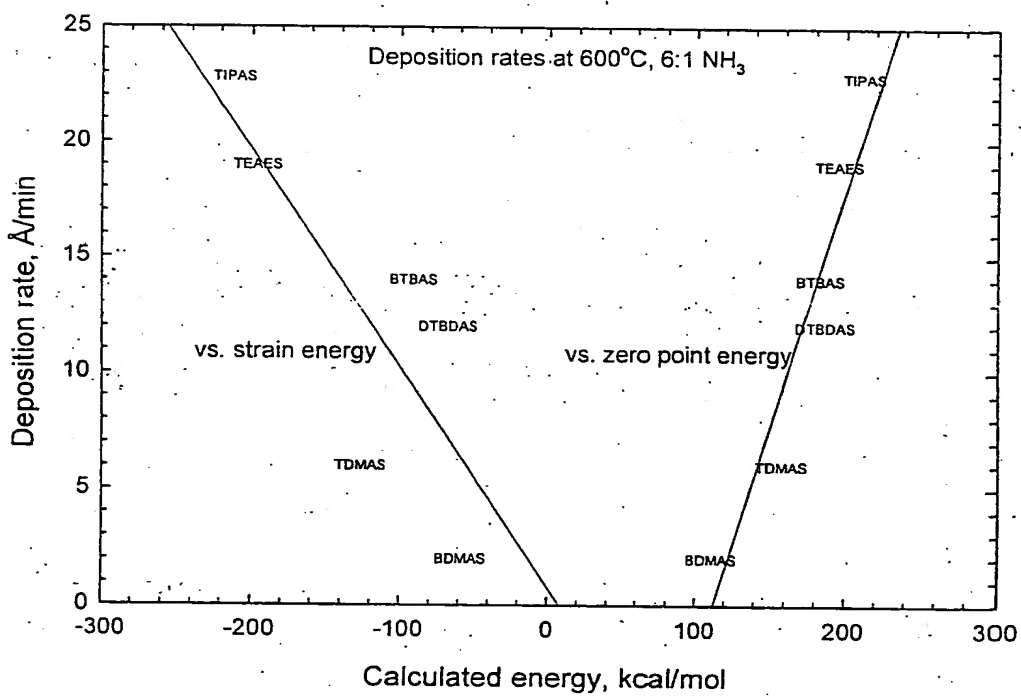
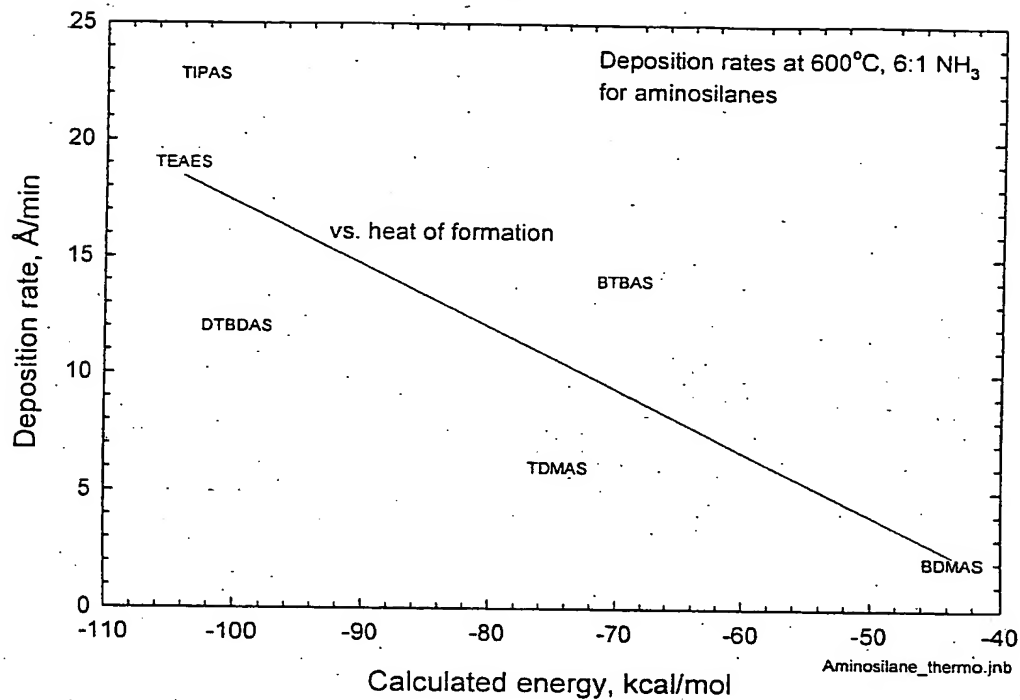


FIG 3B

FIG 4A

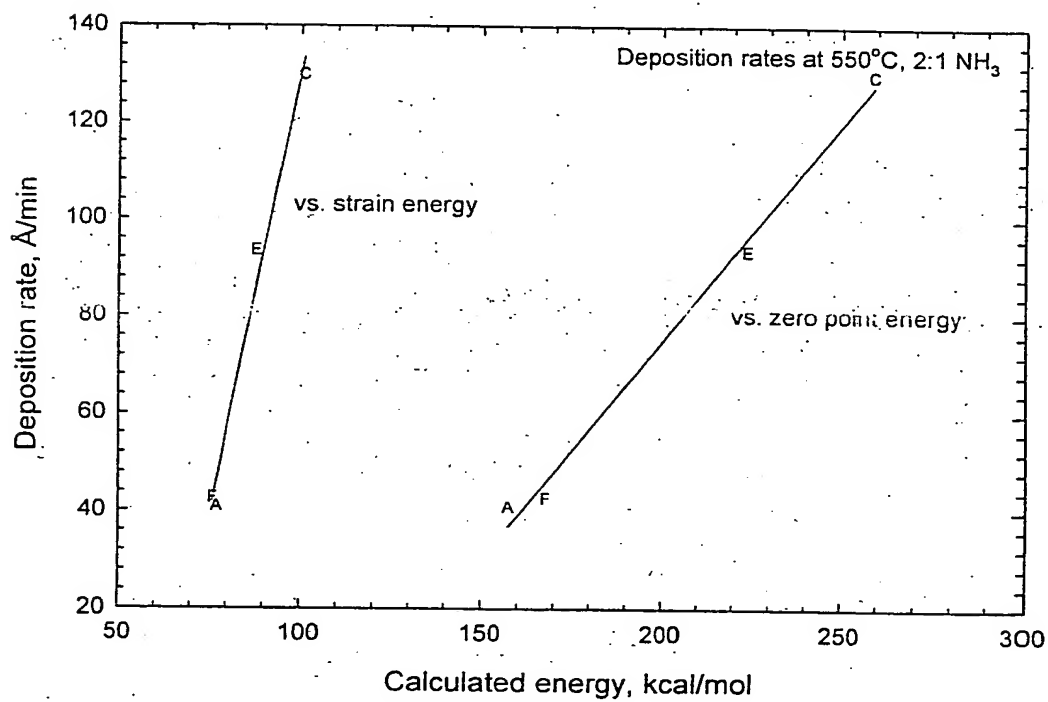
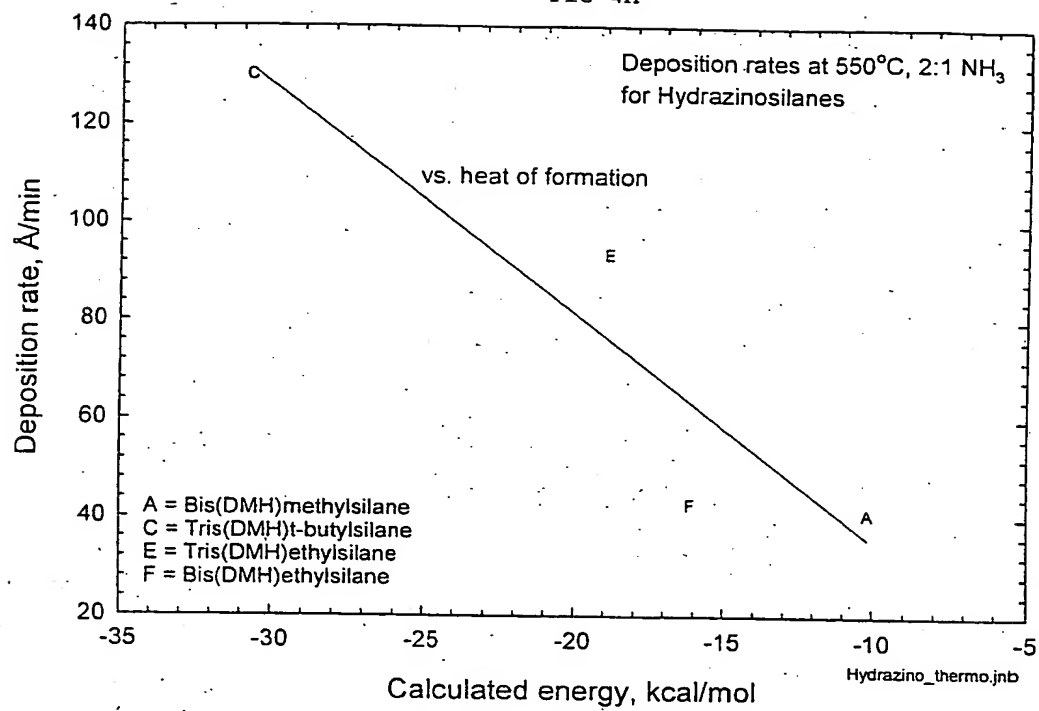


FIG 4B

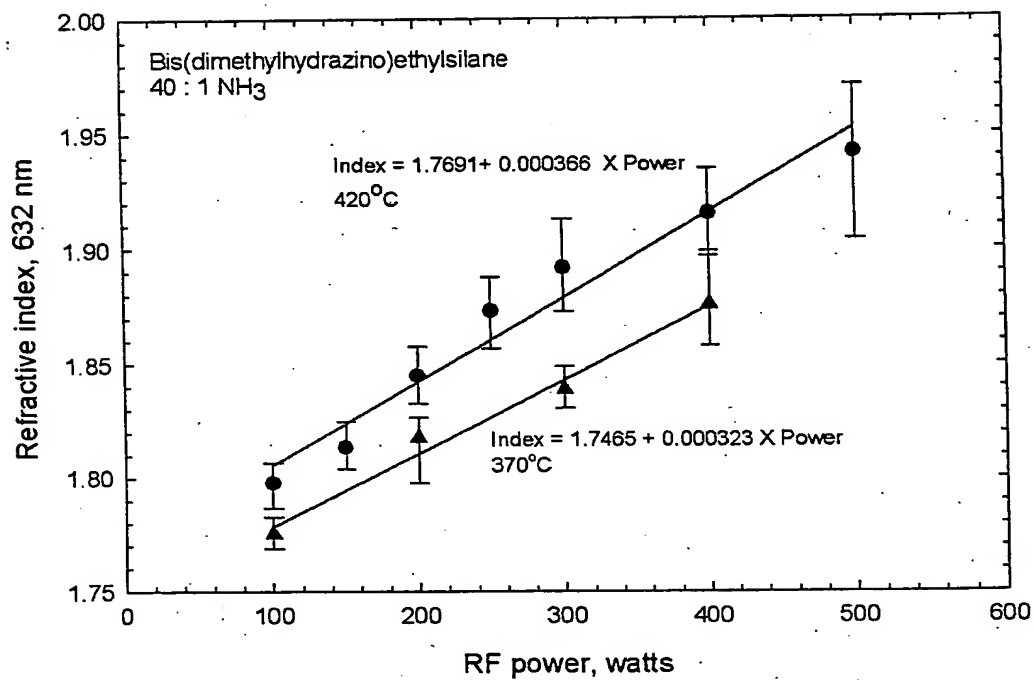


Figure 5

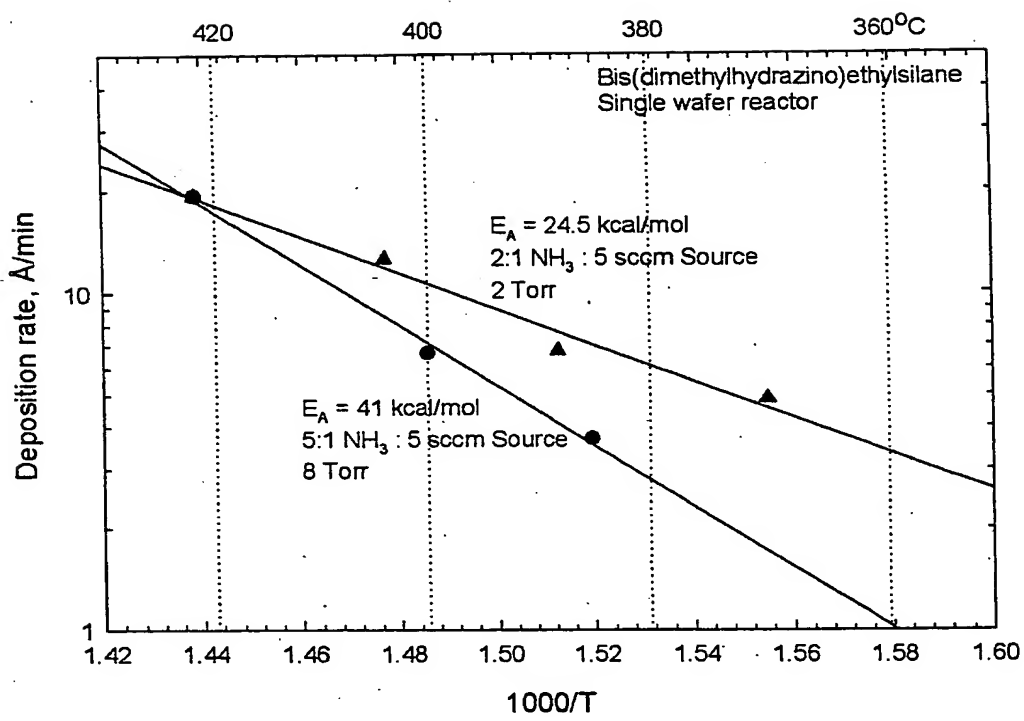


Figure 6